SKYTRON

ST2923

STELLAR SERIES • SURGICAL LIGHTS

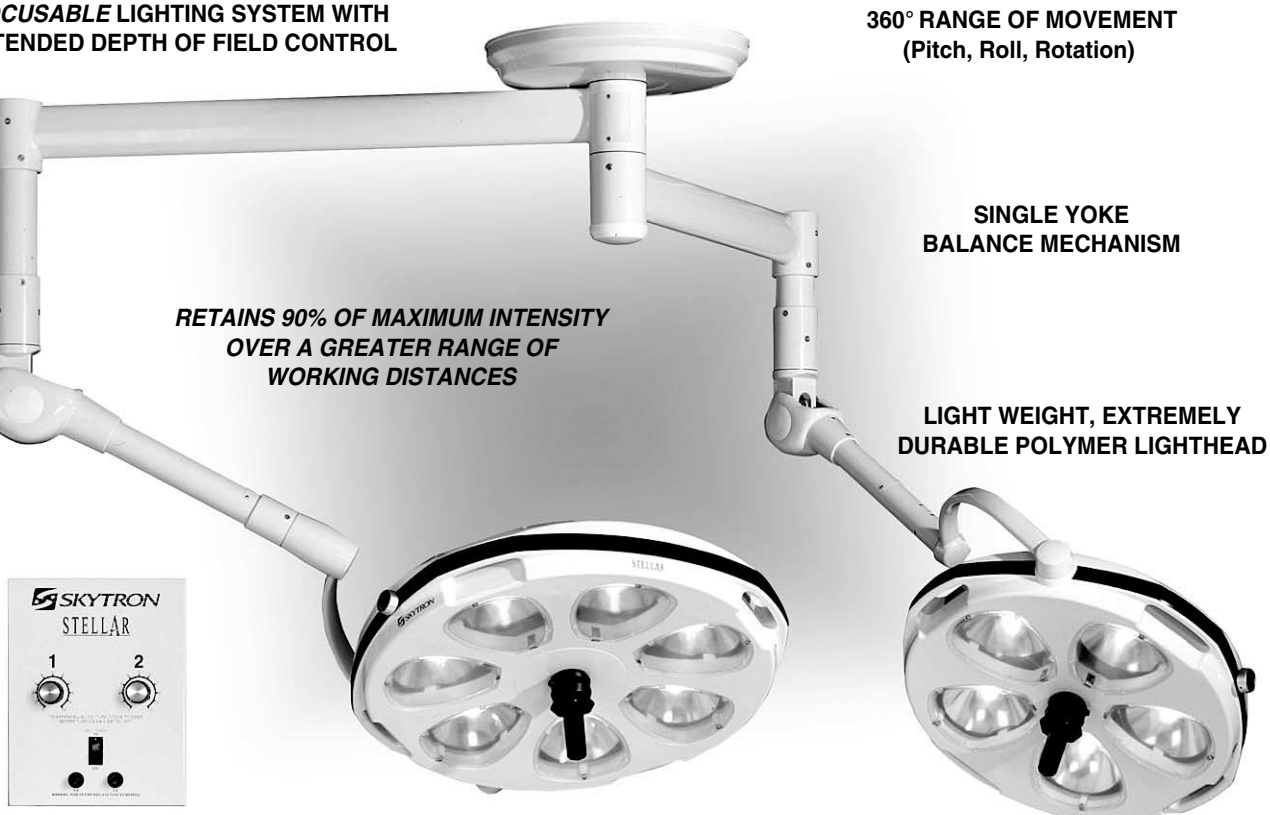
***FOCUSABLE* LIGHTING SYSTEM WITH EXTENDED DEPTH OF FIELD CONTROL**

360° RANGE OF MOVEMENT (Pitch, Roll, Rotation)

SINGLE YOKE BALANCE MECHANISM

RETAINS 90% OF MAXIMUM INTENSITY OVER A GREATER RANGE OF WORKING DISTANCES

LIGHT WEIGHT, EXTREMELY DURABLE POLYMER LIGHTHEAD



WALL CONTROL WITH EXCLUSIVE SKYTRON SOF-START BULB PROTECTION

STERILE POSITIONING/FOCUS CONTROL HANDLE

NON-STERILE POSITIONING HANDLES

INTRODUCTION

SKYTRON's Stellar Series Surgical Lighting provides 21st Century focusable lighting optics within extremely durable, light weight polymer lightheads, creating the perfect balance between performance, maneuverability and durability. Advanced VSRD Optics (Vertical Segmented Reflector Design) provide precision focus control and shadow free illumination, while retaining 90% of maximum intensity over a greater range of working distances. Typical applications include General, Orthopedic Plastics, Micro Surgery, Cardiovascular, OB/GYN, Trauma and Urology.

TECHNICAL DATA

Electrical: 120V, 60 Hz, 1 phase
Power Consumption: 600 watts (2,040 BTU/hr)
Amperage: Approximately 6.0 amps, fuse protected.
Intensity: 290,000 lux (27,000 fc)
Color Temperature: 4,000K
Beam Temperature: Less than 25,000 microwatts per cm^2 as recommended by the I.E.S. handbook.
Current Leakage: Less than 30 microamps
Bulb Type: Halogen 24V/50W
Fixture Weight: 230 lbs.
Moment Load: 999 ft. lbs.

ACCESSORIES

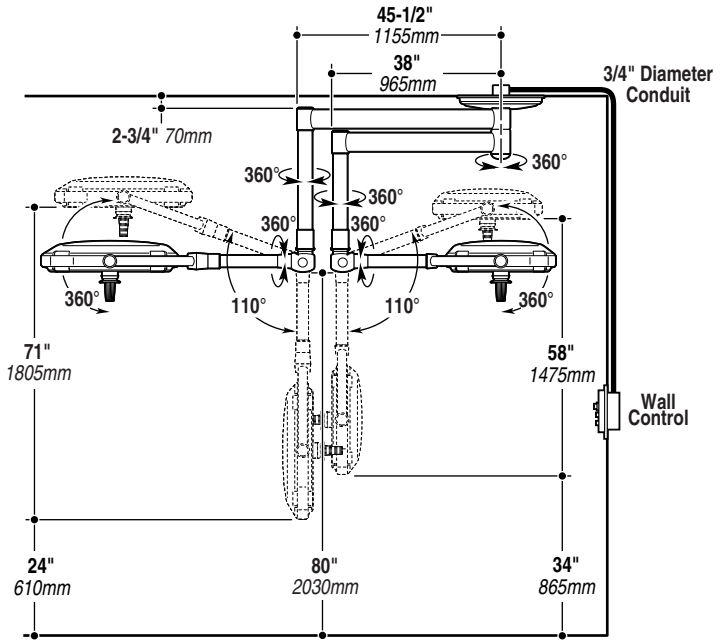
Wall Mounted Intensity Control provides continuous intensity adjustment according to surgeon's requirements and can be set for high or low line voltage to assure maximum performance. Required, priced separately.
Camera System is optional and may be added to camera ready lighting system.
Voice or Touchscreen activated remote control systems available as an option.

ARCHITECTURAL SPECIFICATIONS

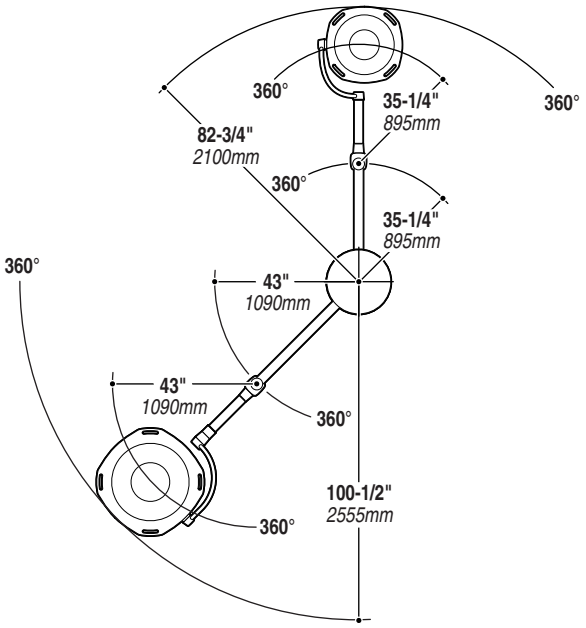
Surgical lighting system shall consist of a dual radial arm mounted 29" diameter lighthead with a 23" diameter satellite. Both lightheads are equipped with a sterilizable focus adjustment and positioning handle as well as non-sterile positioning handles and a side focus knob. Total system output is to be 290,000 lux (27,000 foot-candles) at a color temperature of 4,000K. The system is to be designed with 7 bulbs in the 29" diameter lighthead and 5 bulbs in the 23" satellite to eliminate the need to change bulbs during surgery. Bulb life is protected by Skytron's Sof-Start System. Wall Control provides intensity adjustment and ON/OFF control. Bulbs are to be 24V, 50W Halogen type and operate between 18.5 and 20.5 volts. System design is to provide cool, color corrected light that is diffused evenly over the surgical site for optimum shadow reduction. System shall be SKYTRON Model ST2923.

ST2923

ELEVATION VIEW



PLAN VIEW

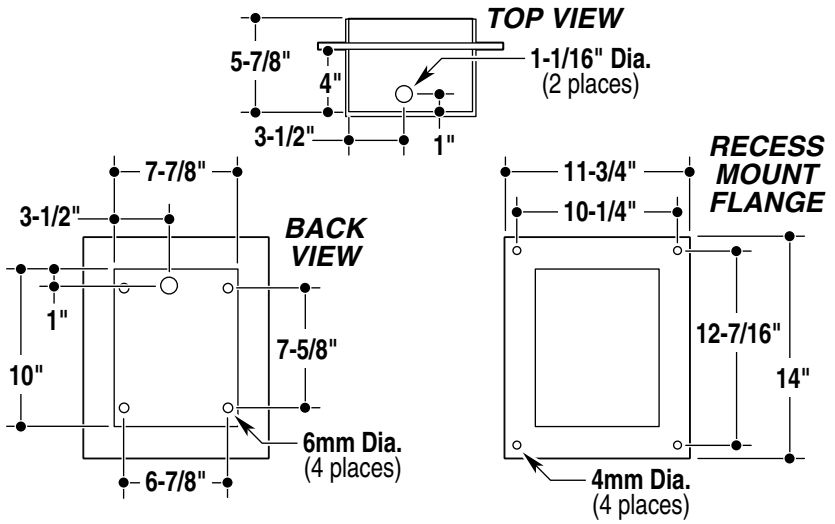


Minimum ceiling height: 8'-8". Consult your SKYTRON representative for lower ceiling heights and special applications.

REFER TO APPROPRIATE MOUNTING STRUCTURE GUIDELINE

- **STANDARD MOUNTING STRUCTURE GUIDELINE**
- **SPECIFIC SEISMIC CALCULATIONS IF APPLICABLE**

WALL CONTROL



SKYTRON
5000 36th Street SE • Grand Rapids, MI 49512
1.800.SKYTRON • 616.957.0500 • FAX: 616.957.5053

4/05